

# HP Designjet Z6800 Photo Production Printer



The fastest 1524 mm (60-in) graphics production printer with unrivalled print quality<sup>1</sup>.



## Designed for speed and productivity

- Print as fast as 140 m<sup>2</sup>/hr (1,500 ft<sup>2</sup>/hr) in fast mode and 20 m<sup>2</sup>/hr (212 ft<sup>2</sup>/hr) in high-quality mode<sup>2</sup>.
- Cut turnaround times and effortlessly handle large data loads thanks to high file-processing power.
- Create quality prints at top speed with HP Double Swath Technology and the HP Optical Media Advance Sensor.
- Confidently print unattended with heavy media rolls, 775-ml HP ink cartridges and a built-in take-up reel.

## Unrivalled colour and black-and-white image quality

- Print exceptional colours – HP Vivid Photo Inks with a chromatic red offer a wide colour gamut and uniform gloss.
- Create unique black-and-white prints – three shades of black HP ink deliver rich density and smooth transitions.
- Offer your customers durable prints that last up to 200 years, using HP Vivid Photo Inks<sup>3</sup>.
- Produce posters, photos, canvas prints, backlit signs, POP displays and maps with unrivalled image quality.

## Advanced colour management backed by HP reliability

- Create custom ICC profiles and achieve colour accuracy with the embedded spectrophotometer and colour centre<sup>4</sup>.
- Achieve colour accuracy – complete coverage of SWOP, ISO, GRACOL, 3DAP, EUROSCALE, TOYO and FOGRA gamuts.
- Choose how you want to print – send jobs straight from preferred design applications or through third-party RIPs.
- Get colour reliability with HP Professional PANTONE<sup>®</sup> colour emulation and embedded Adobe<sup>®</sup> PostScript<sup>®</sup>/PDF<sup>5</sup>.

<sup>1</sup> Compared with large-format inkjet printers under €25,000 for graphic applications. Based on the fastest-rated colour speeds as published by manufacturers as of October 2013. Test methods vary.

<sup>2</sup> Using plain paper and fast mode, the HP Designjet Z6800 Photo Production Printer can achieve speeds up to 140 m<sup>2</sup>/hr (1500 ft<sup>2</sup>/hr). Using glossy paper and normal mode, the Z6800 can achieve print speeds up to 20 m<sup>2</sup>/hr (212 ft<sup>2</sup>/hr).

<sup>3</sup> Display permanence rating for interior displays/away from direct sunlight by HP Image Permanence Lab, and by Wilhelm Imaging Research, Inc. on a range of HP media. For more information, see <http://www.hp.com/go/supplies/printpermanence>

<sup>4</sup> Embedded in this HP Designjet Printer is an i1 spectrophotometer from X-Rite. Close collaboration between HP and X-Rite ensures a reliable solution that's been thoroughly tested to meet customer demands for ease, quality, and dependability.

<sup>5</sup> HP Professional PANTONE<sup>®</sup> colour emulation and embedded Adobe<sup>®</sup> PostScript<sup>®</sup>/PDF upgrade kit sold separately.



1. With Aurasma installed, please go to the HP Designjet channel at <http://auras.ma/s/ke25m>
2. Without Aurasma installed, please download it:
  - a. Google Play - <http://auras.ma/s/android>
  - b. Apple Store - <http://auras.ma/s/ios>Once done, go to the HP Designjet channel at <http://auras.ma/s/ke25m>
3. Open the application and point to the image to view the HP Designjet video

# HP Designjet Z6800 Photo Production Printer

## Technical specifications

Print	
Colour images	19.7 m <sup>2</sup> /hr on glossy media
Print resolution	Up to 2400 x 1200 optimised dpi
Margins (top x bottom x left x right)	Roll: 5 x 5 x 5 x 5 mm
Technology	HP Thermal Inkjet
Ink types	Pigment-based
Ink colours	8 (1 each chromatic red, magenta, yellow, cyan, light grey, light magenta, matte black, photo black)
Ink drop	4 pl (lm, lg, pk), 6 pl (R, M, Y, mK, C)
Print cartridge volume delivered	775 ml
Print head nozzles	2112
Print heads	8 (1 each chromatic red, magenta, yellow, cyan, light grey, light magenta, matte black, photo black)
Print speed	140 m <sup>2</sup> /hr
Line accuracy	+/- 0.1% Line accuracy note: +/- 0.1% of the specified vector length or +/- 0.2 mm (whichever greater) at 23°C, 50-60% relative humidity, on A0 HP Matte Film in Best or Normal mode with HP Photo Inks
Minimum line width	0.02 mm (HP-GL/2 addressable)
Guaranteed minimum line width	0.067 mm (ISO/IEC 13660:2001(E))
Maximum print weight	25 kg
Maximum optical density	4.5 L* min/2.31 D (with HP Premium Instant Dry Photo Gloss media with HP Photo Inks)
Media	
Handling	Roll feed; automatic cutter; take-up reel
Types	Bond and coated paper, technical paper, film, photographic paper, proofing paper, backlit, self-adhesive, banner and sign, fabric, fine art printing material
Weight	Up to 460 g/m <sup>2</sup> depending on media type
Thickness	Up to 22 mil
Memory	
Standard	64 GB (virtual)
Hard disk	Standard, 320 GB
Connectivity	
Interfaces (standard)	Gigabit Ethernet (1000Base-T); EIO Jetdirect accessory slot
Interfaces (optional)	HP Jetdirect EIO print servers
Print languages (standard)	HP-GL/2, HP-RTL, CALS G4
Print languages (optional)	Adobe PostScript® 3; Adobe PDF 1.7; TIFF; JPEG
Drivers included	HP-GL/2, HP-RTL drivers for Windows; PostScript® Windows and Mac drivers with optional PostScript/PDF Upgrade Kit
Environmental ranges	
Operating temperature	5 to 40°C
Storage temperature	-20 to 55°C
Operating humidity	20 to 80% RH
Storage humidity	20 to 80% RH
Acoustic	
Sound Pressure	53 dB(A)
Sound Power	7.0 B(A)
Dimensions (w x d x h)	
Printer	2430 x 690 x 1370 mm
Packaged	2700 x 750 x 1200 mm
Weight	
Printer	190 kg
Packaged	252 kg
Power consumption	
Maximum	420 watts (maximum); 270 watts (printing); < 48 watts (ready); < 5 watts (sleep); < 0.3 watts (off)
Power requirements	Input voltage (auto ranging): 100 to 127 VAC (+/- 10%), 5 A; 220 to 240 VAC (+/- 10%), 3 A; 50/60 Hz (+/- 3 Hz)

## What's in the box

F2572A	HP Designjet Z6800 Photo Production Printer; spindle; printheads; introductory ink cartridges; maintenance cartridge; printer stand; take-up reel; 3-in spindle adaptor kit; quick reference guide; setup poster; startup software; power cord
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## Certification

Safety	EU (LVD and EN 60950-1 compliant); Russia (GOST)
Electromagnetic	Compliant with Class A requirements, including: EU (EMC Directive)
Environmental	ENERGY STAR®; WEEE; EU RoHS; REACH; EPEAT Bronze
ENERGY STAR	Yes

## Warranty

One-year limited hardware warranty.

## Ordering information

### Product

F2572A	HP Designjet Z6800 1524mm Photo Production Printer
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### Accessories

CQ745B	HP Designjet PostScript/PDF Upgrade Kit
CQ754A	HP Designjet Z6200 1524 mm Spindle
J8025A	HP Jetdirect 640n Print Server
Q6714A	HP Designjet 1524mm Media Bin
Q6715A	HP Designjet User Maintenance Kit

### Ink supplies

C1Q37A	HP 773C 775-ml Matte Black Designjet Ink Cartridge
C1Q38A	HP 773C 775-ml Chromatic red Designjet Ink Cartridge
C1Q39A	HP 773C 775-ml Magenta Designjet Ink Cartridge
C1Q40A	HP 773C 775-ml Yellow Designjet Ink Cartridge
C1Q41A	HP 773C 775-ml Light Magenta Designjet Ink Cartridge
C1Q42A	HP 773C 775-ml Cyan Designjet Ink Cartridge
C1Q43A	HP 773C 775-ml Photo Black Designjet Ink Cartridge
C1Q44A	HP 773C 775-ml Light Gray Designjet Ink Cartridge
CE017A	HP 771 Matte Black/Chromatic Red Designjet Printhead
CE018A	HP 771 Magenta/Yellow Designjet Printhead
CE019A	HP 771 Light Magenta/Light Cyan Designjet Printhead
CE020A	HP 771 Photo Black/Light Gray Designjet Printhead

### Media supplies

Q6578A	HP Universal Instant-dry Gloss Photo Paper-1524 mm x 30.5 m (60 in x 100 ft)
Q8707A	HP Artist Matte Canvas-1524 mm x 15.2 m (60 in x 50 ft)

### Service & support

U1Z58E	- HP 2 year Next Business Day + Defective Media Retention Designjet Z6800 Hardware Support
U1Z59E	- HP 3 year Next Business Day + Defective Media Retention Designjet Z6800 Hardware Support
U1ZT0E	- HP 5 year Next Business Day + Defective Media Retention Designjet Z6800 Hardware Support
U1ZT2PE	- HP 1 year Post Warranty Next Business Day + Defective Media Retention Designjet Z6800 Hardware Support
U1ZT1PE	- HP 2 year Post Warranty Next Business Day + Defective Media Retention Designjet Z6800 Hardware Support

HP Designjet Support Services offer solutions for business critical environments - installation, extended support and maintenance, as well as variety of value added services. For more information, please visit [hp.com/go/designjet/support](http://hp.com/go/designjet/support). Use Original HP inks and printheads to experience consistent high quality and reliable performance that enable less downtime. For more information, visit [hp.com/go/OriginalHPInks](http://hp.com/go/OriginalHPInks).



For the entire HP Large Format Printing Materials portfolio, please see [globalBMG.com/hp](http://globalBMG.com/hp).

For more HP Large Format Media substrates and sizes please visit us online at: <http://www.hp.com/go/designjet/supplies>

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